

Figure 1 is a phase diagram showing the liquidus temperature (°C) as a function of the mole fraction of SrO in the BaO-SrO system. The y-axis represents the liquidus temperature in degrees Celsius, ranging from 840 to 900. The x-axis represents the mole fraction of SrO, labeled as $\text{SrO} / (\text{SrO} + \text{BaO})$, ranging from 0.47 to 0.56. The diagram shows a V-shaped liquidus curve with a minimum at approximately 0.52 mole fraction SrO and 850°C. The initial phase is $\text{BaO} \cdot 2\text{SiO}_2$ on the left and $\text{SrO} \cdot \text{SiO}_2$ on the right.

| $\text{SrO} / (\text{SrO} + \text{BaO})$ | Liquidus Temperature (°C) |
|------------------------------------------|---------------------------|
| 0.48 | 890 |
| 0.49 | 880 |
| 0.50 | 860 |
| 0.51 | 853 |
| 0.52 | 850 |
| 0.53 | 858 |
| 0.54 | 880 |
| 0.55 | 890 |